

FIG.1

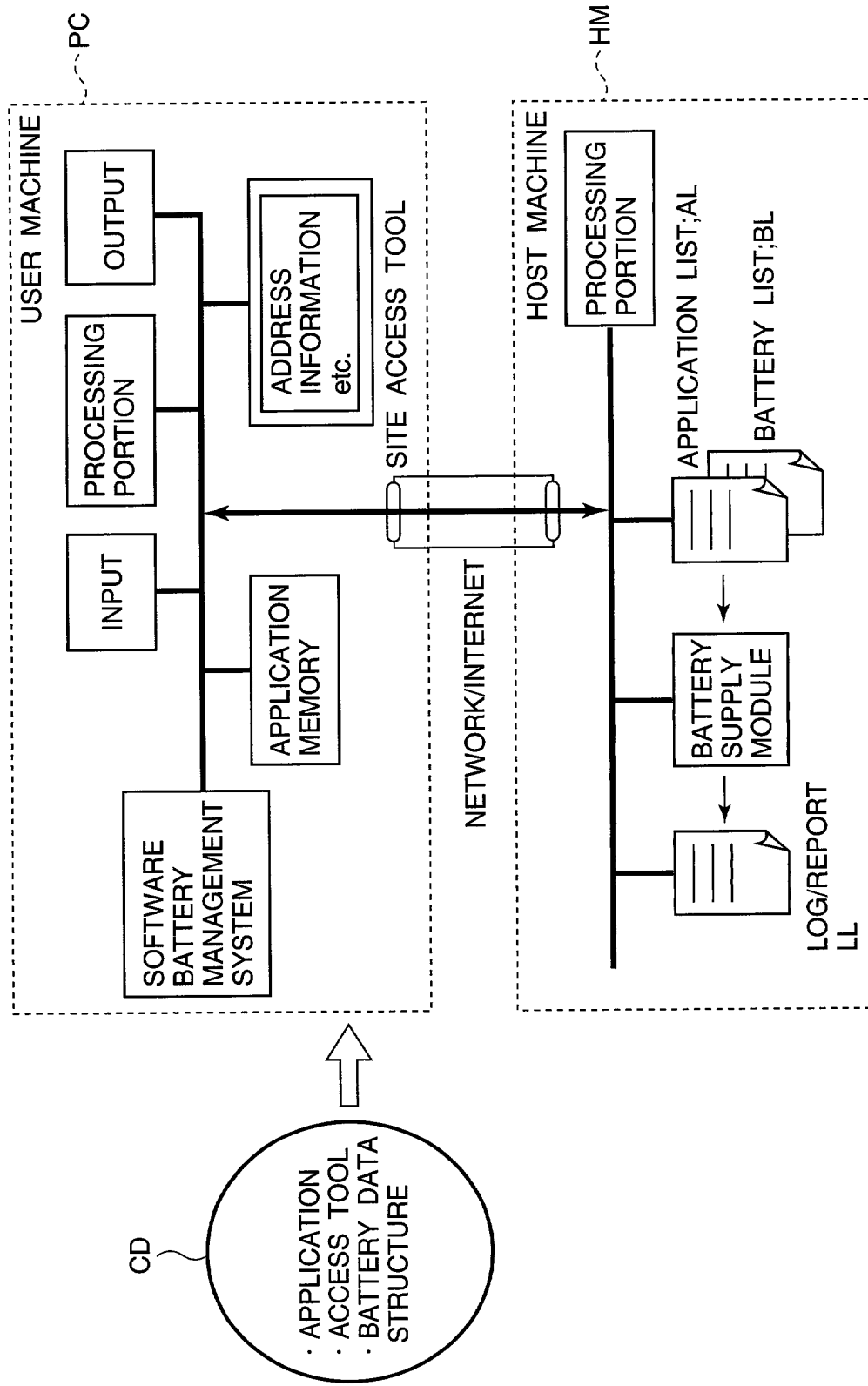


FIG.2

APPLICATION LIST:AL

APPLICATION ID	APPLICATION NAME	BATTERY ID	VALID/INVALID
		←	

BATTERY LIST:BL

BATTERY ID	RIGHTFUL PERSON ID	BATTERY SUPPLY UNIT	BATTERY UNIT PRICE

BATTERY SUPPLY HISTORY:BH

DATE AND TIME	KEY 1	KEY 3	APPLICATION ID	BATTERY ID	SUPPLY AMOUNT

KEY 1 CAN BE USED FOR IDENTIFYING USER

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FIG.3

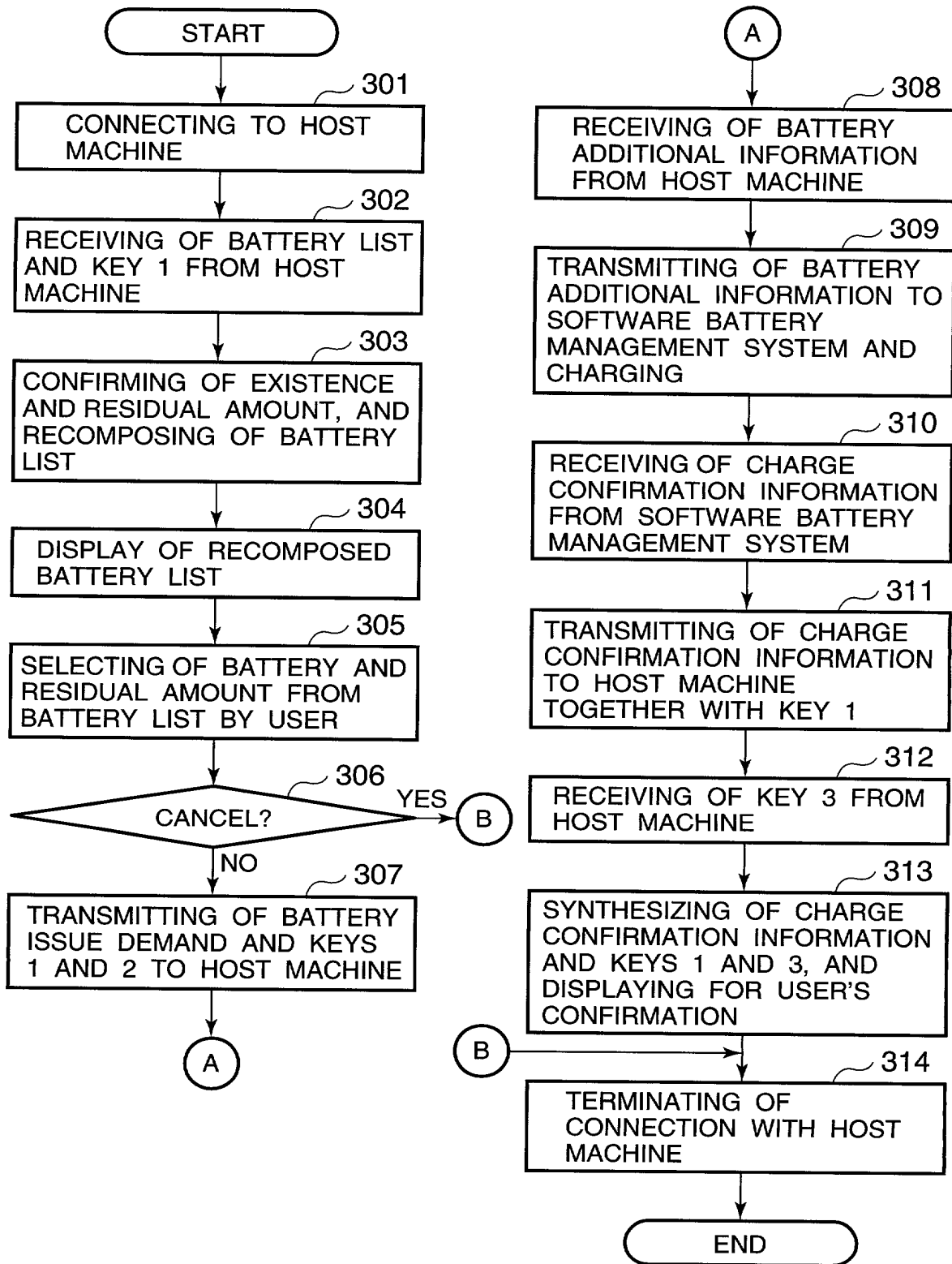


FIG.4

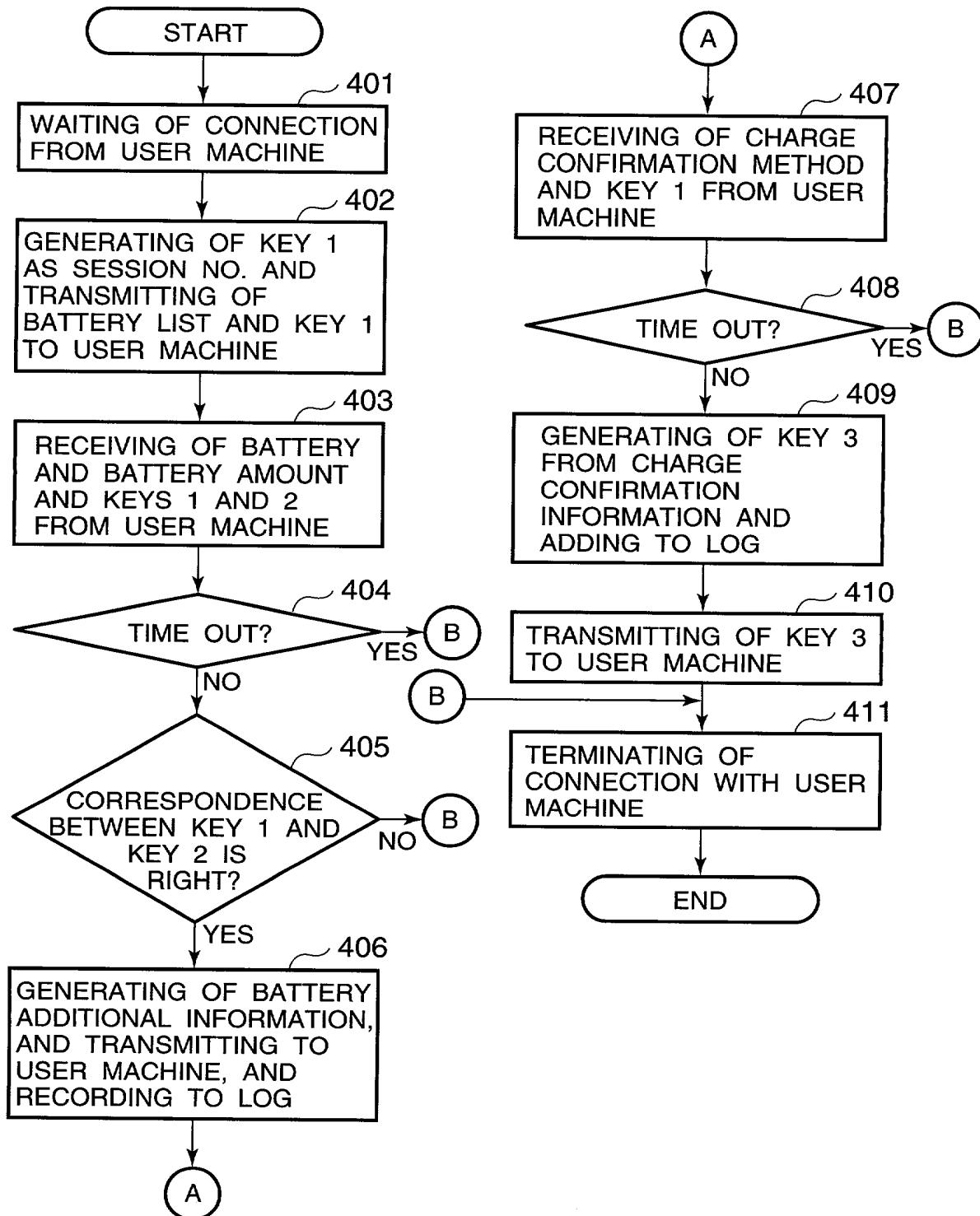


FIG.5

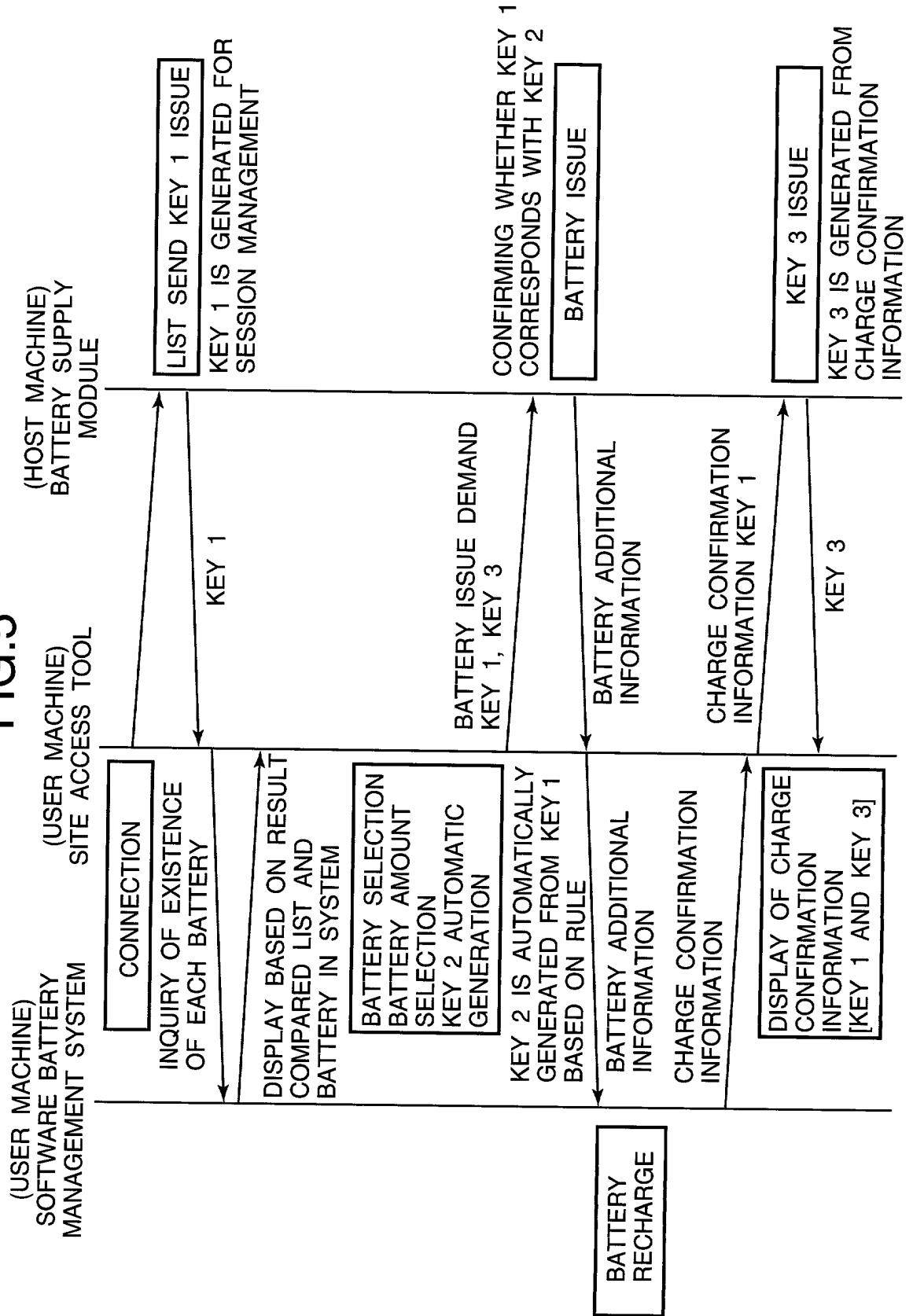
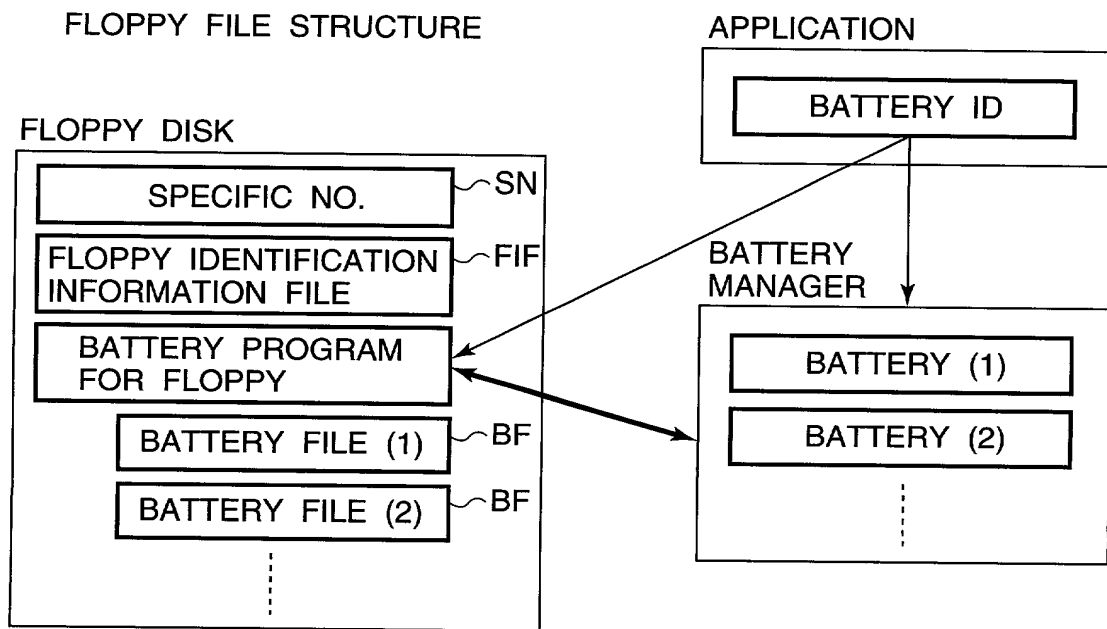
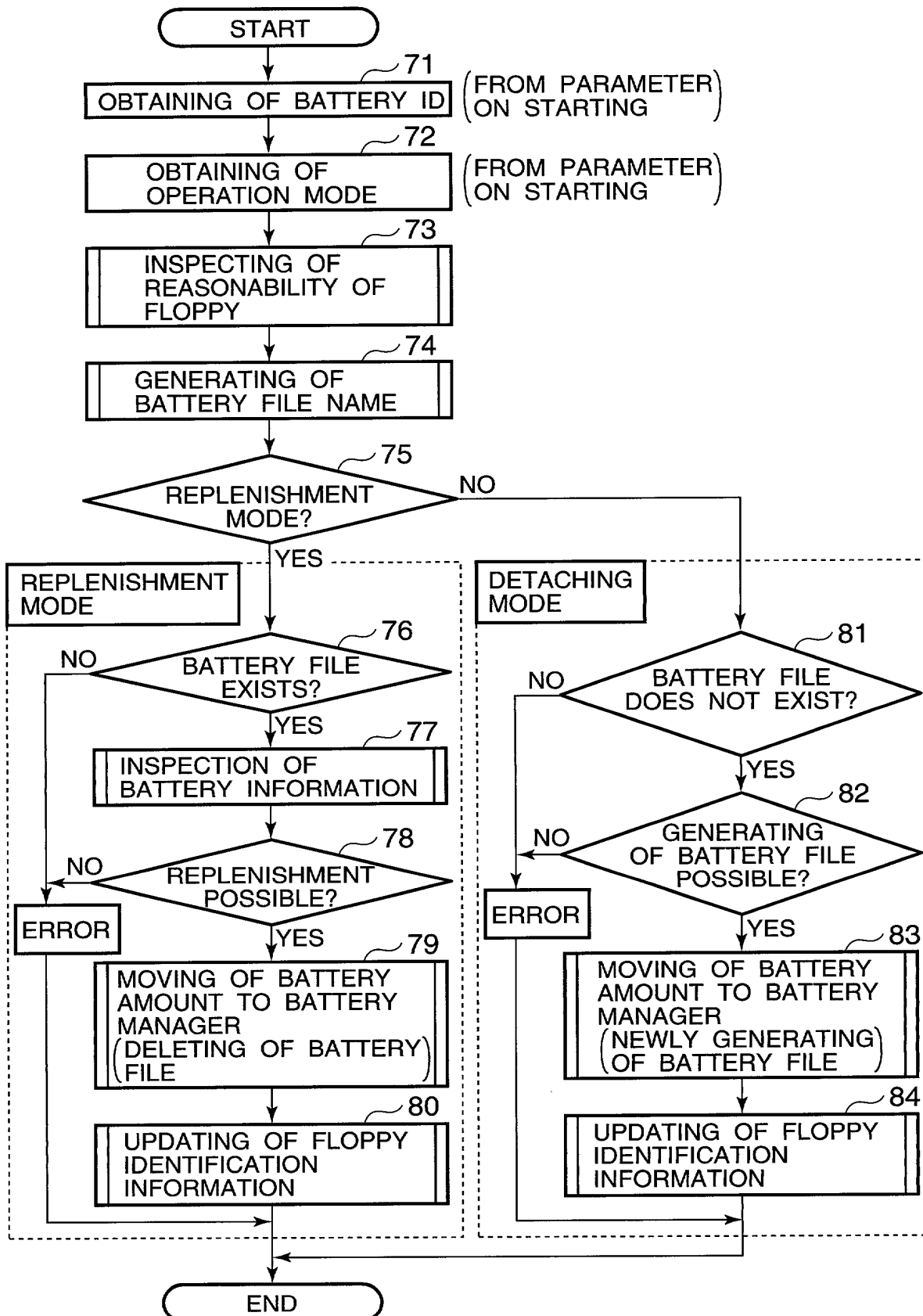


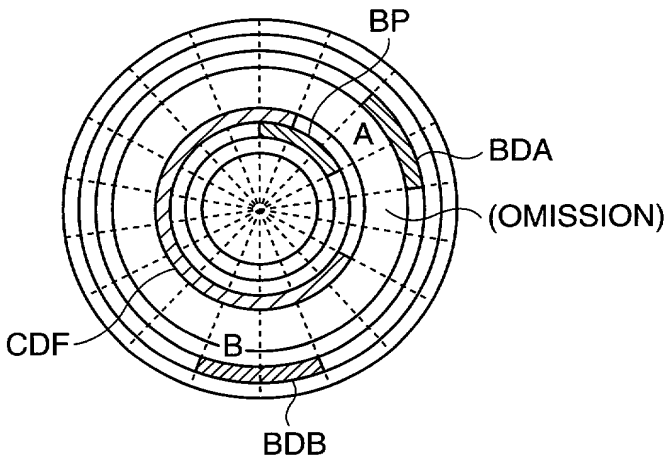
FIG.6





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BATTERY SPECIAL FD



BATTERY MANAGEMENT DATA FORMAT

FLOPPY SERIAL NO.
DATE AND TIME INFORMATION OF LAST OPERATION
BATTERY ID OF LAST OPERATION
BATTERY SUMMARY OF LAST OPERATION *1

\*1: NUMERICAL DATA SUCH AS "CHECK SUM" FOR CHECKING WHETHER BATTERY DATA IS INTERPOLATED

BATTERY DATA FORMAT

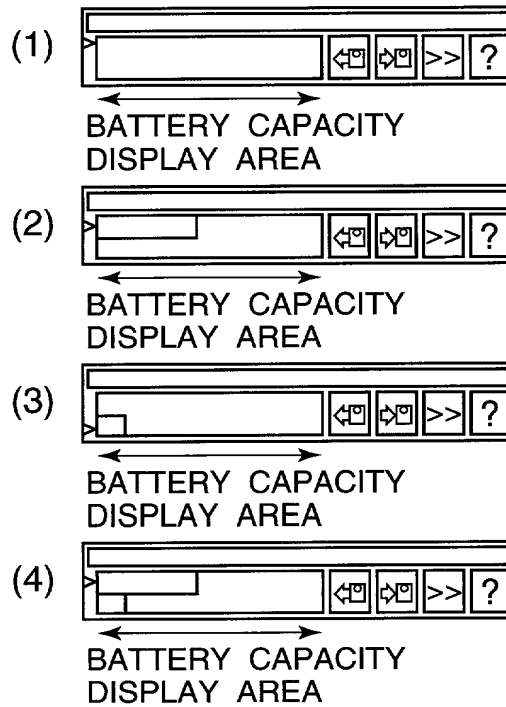
BATTERY TYPE IDENTIFICATION INFORMATION *2
BATTERY CAPACITY (INTEGER) *2
CHARGING ACCEPTANCE DISCRIMINATION FLAG
DETACHING ACCEPTANCE DISCRIMINATION FLAG
PREDICTION VALUE OF REMAINING USE TIME/TIMES

\*2: HAVING BATTERY TYPE AND CAPACITY COLLECTIVELY IN ONE NUMERAL VALUE IS ALSO POSSIBLE

FIG.8



FIG.9



(5)

〈BATTERY MOUNTING SITUATION〉					
TYPE	PRESENCE/ ABSENCE	RESIDUAL	PRESUNED REMAINING TIME	PROCESSING	
TRIAL	PRESENCE	10UNIT	××MINUTES	CHARGING	DETACHING
NORMAL	PRESENCE	100UNIT	××MINUTES	CHARGING	DETACHING
UNLIMITED	ABSENCE	—	—	CHARGING	DETACHING

〈CONSUMPTION ORDER〉  
IT IS CONSUMED FROM NORMAL BATTERY  
☐PREPARING OF USE HISTORY FILE

DELETE USE HISTORY FILE    CLOSE    HELP

(6)

GRAPHIC DISPLAY TEXT DISPLAY
NON-DISPLAY

FIG.10

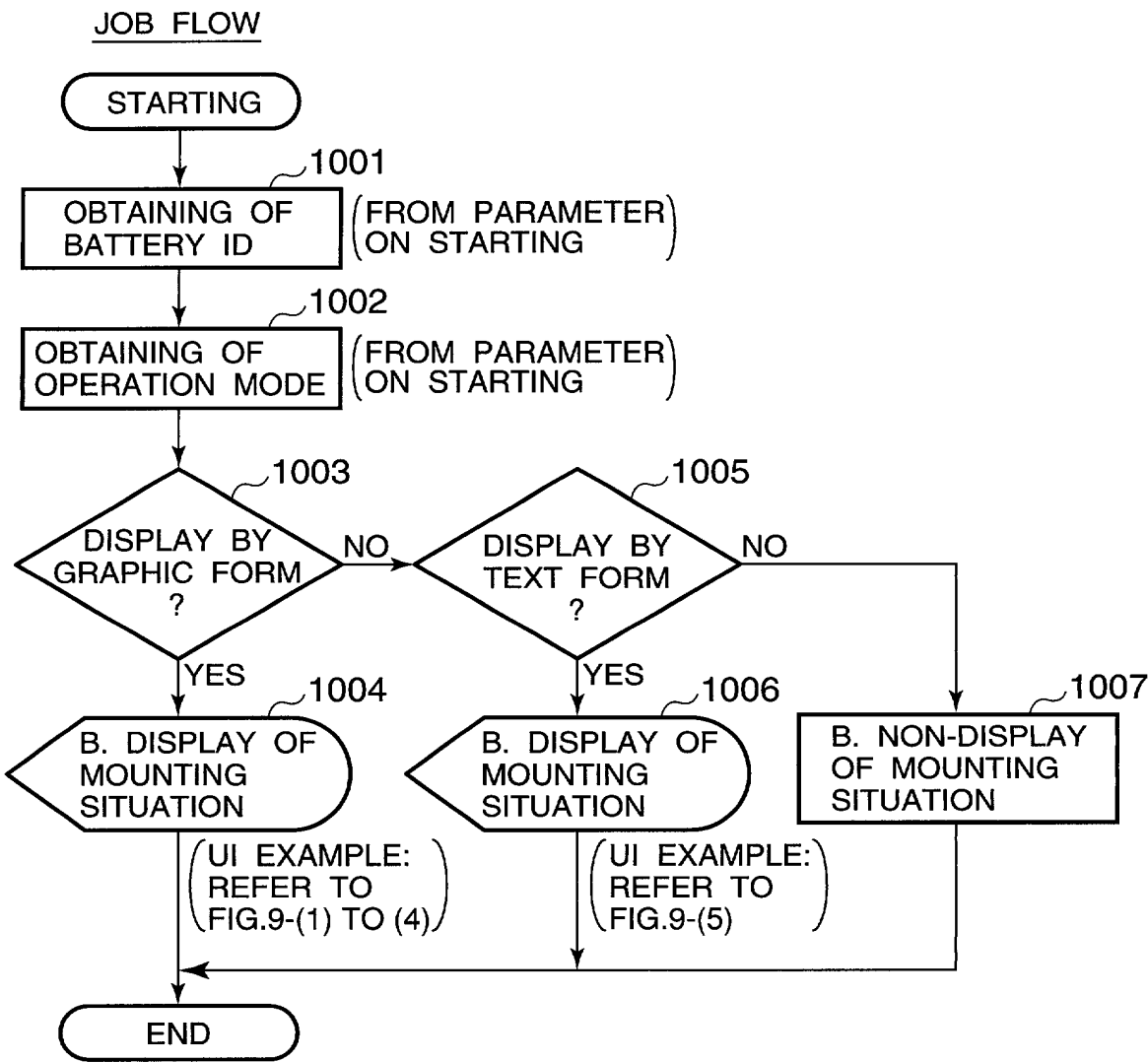


FIG. 10

## FIG.11

## SCREEN DISPLAY EXAMPLE 1

(1)

## PREDICTION DISPLAY SCREEN

〈BATTERY MOUNTING SITUATION〉					
TYPE	PRESENCE/ ABSENCE	RESIDUAL	PRESUMED REMAINING TIME	PROCESSING	
TRIAL	PRESENCE	10UNIT	××MINUTES	CHARGING	DETACHING
NORMAL	PRESENCE	100UNIT	××MINUTES	CHARGING	DETACHING
UNLIMITED	ABSENCE	—	—	CHARGING	DETACHING

〈CONSUMPTION ORDER〉  
 IT IS CONSUMED FROM NORMAL BATTERY  
☐ PREPARING OF USE HISTORY FILE

DELETE USE HISTORY FILE    CLOSE    HELP

(2)

## RESIDUAL WARNING DISPLAY SCREEN

i	BATTERY PRESENT IN USE BECOMES IMPOSSIBLE TO USE, IF ×× TIMES(×× MINUTES) USE IS CARRIED OUT !
	CLOSE    HELP

## DATA FORMAT IN BATTERY

BATTERY TYPE IDENTIFICATION INFORMATION *2
BATTERY CAPACITY (INTEGER) *2
CHARGING ACCEPTANCE DISCRIMINATION FLAG
DETACHING ACCEPTANCE DISCRIMINATION FLAG
CALCULATION RESULT OF REMAINING USE TIME/TIMES *3

\*2:HAVING BATTERY TYPE AND  
CAPACITY COLLECTIVELY IN  
ONE NUMERAL VALUE IS  
ALSO POSSIBLE

\*3:CALCULATING • UPDATING BASED  
ON TOTAL FILE OF USE HISTORY/  
INFORMATION ACCUMULATED IN  
MAIN PART

USE HISTORY INFORMATION  
ACCUMULATED IN SYSTEM

## 〈DETAILED DATA FILE〉

BATTERY ID
DATE AND TIME OF USE START
DATE AND TIME OF SOFTWARE USE END
USE TIME
USE UNIT NUMBER

## 〈TOTAL DATA FILE〉

BATTERY ID
ACCUMULATION USE TIME
ACCUMULATION USE UNIT NUMBER

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**FIG.12** FUNCTION FOR PREDICTING TIME/TIMES CAN BE USED  
 FROM BATTERY RESIDUAL AMOUNT

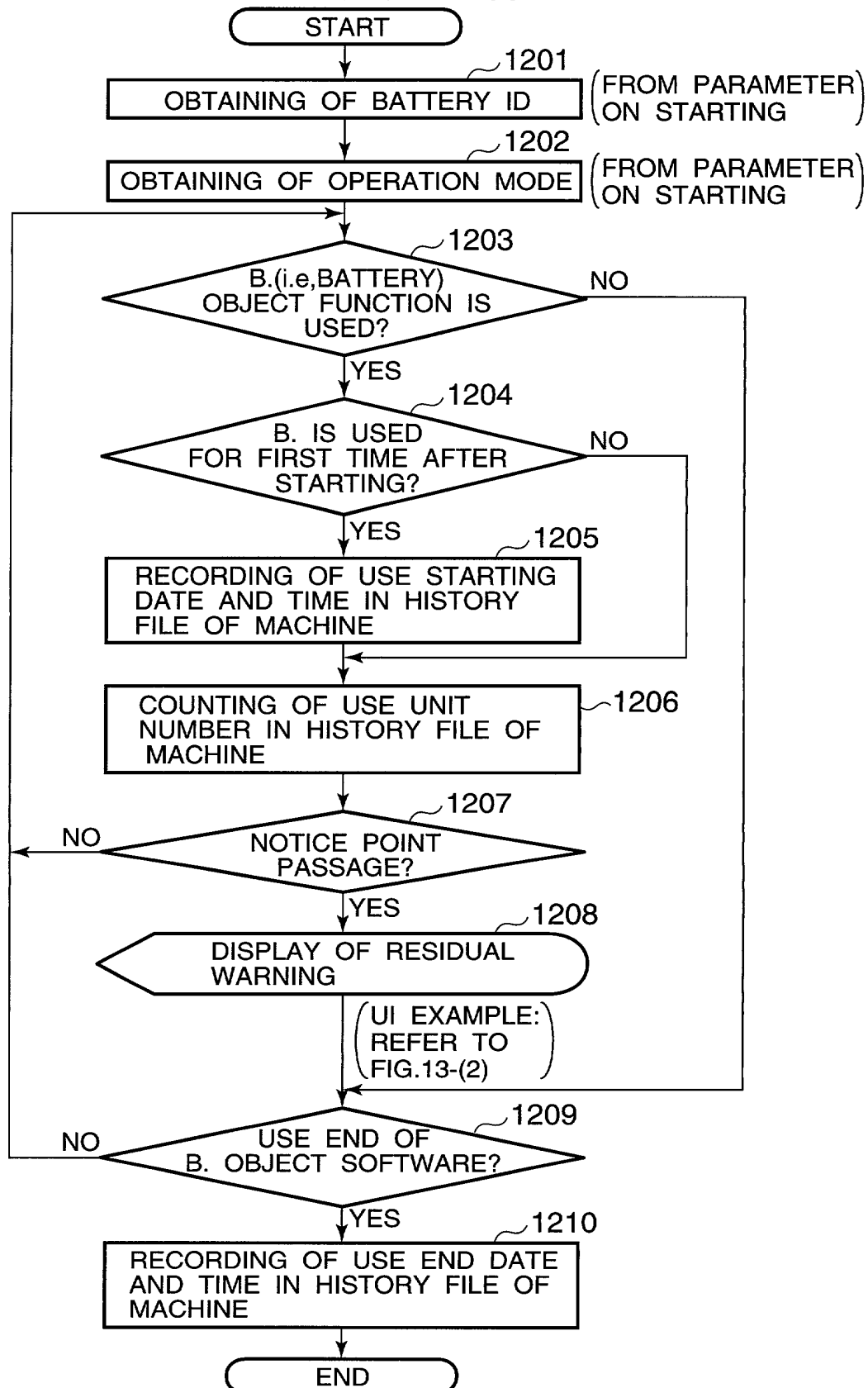
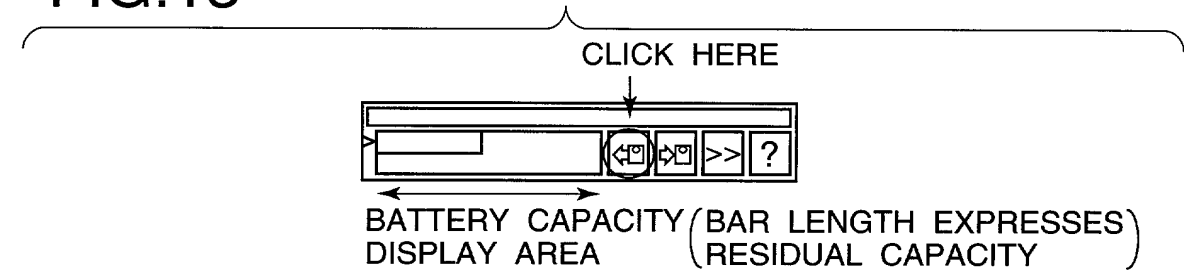
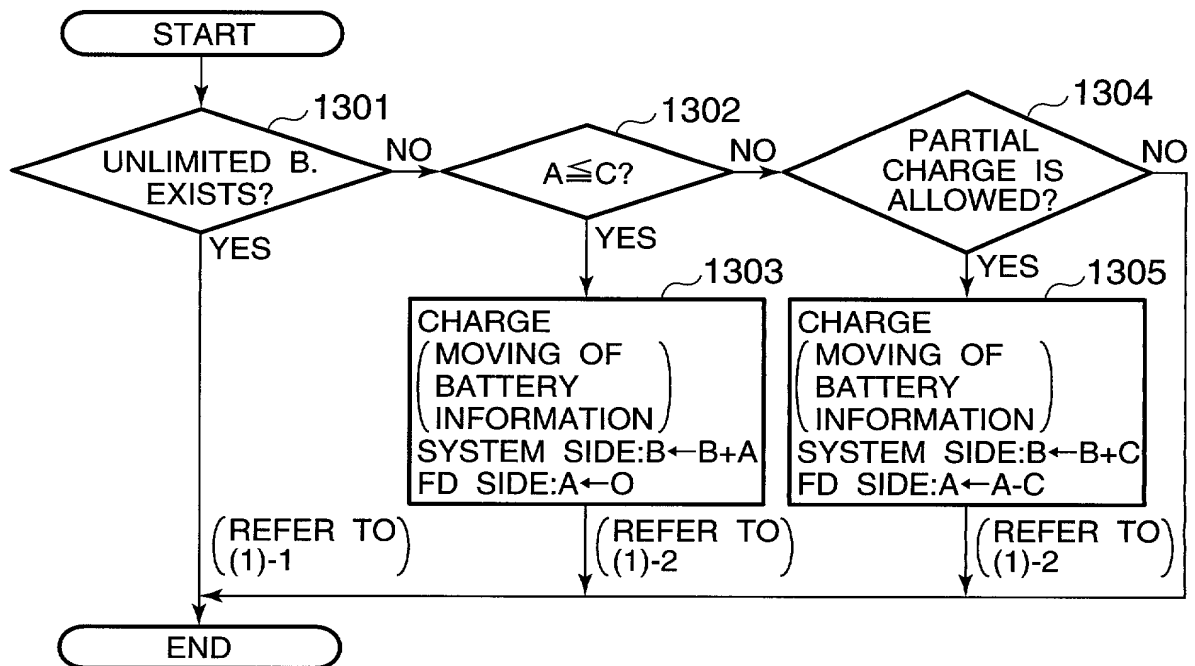


FIG.13

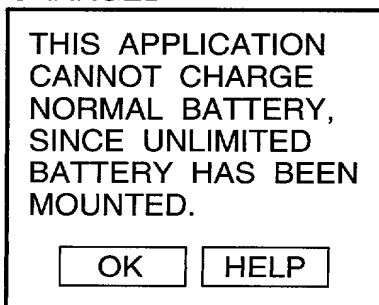


### CASE OF NORMAL BATTERY CHARGING

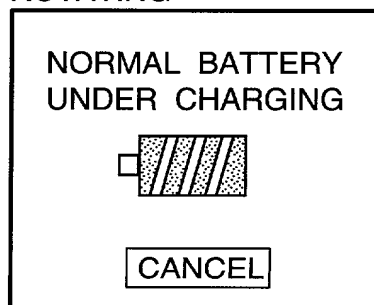
〈PREMISE〉 A=BATTERY CAPACITY STORED IN FD OF CHARGING SOURCE  
B=RESIDUAL CAPACITY OF NORMAL B. OF CHARGING SOURCE  
C=FREE CAPACITY OF NORMAL B. OF CHARGING SOURCE



(1)-1  
DISPLAY OF WINDOW  
FOR EXPLAINING  
PURPORT CANNOT  
CHARGED



(1)-2  
DISPLAY OF ANIMATION  
WHICH WHITE LINE  
OF BATTERY IS  
ROTATING



(1)-3  
DISPLAY OF BATTERY  
SHOWING  
FULL-CHARGE STATE

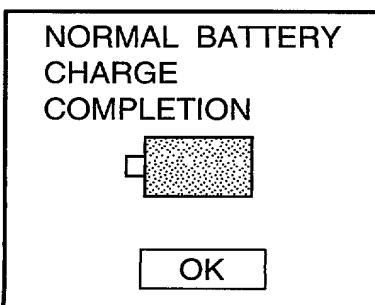
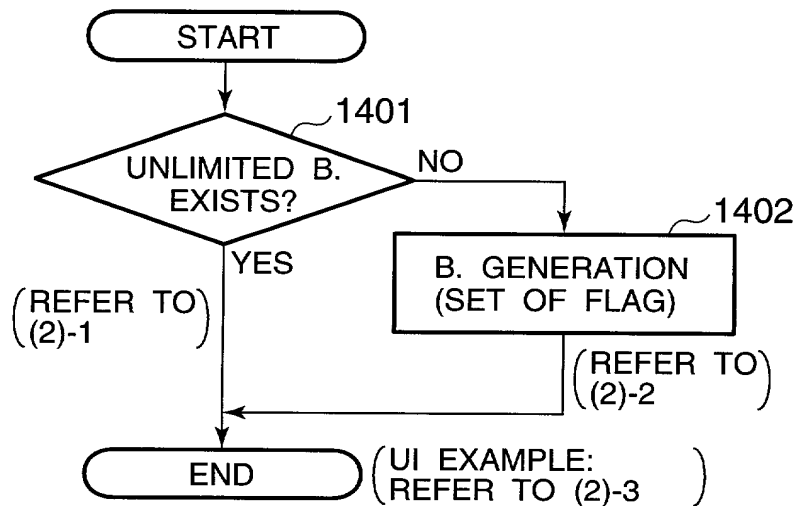


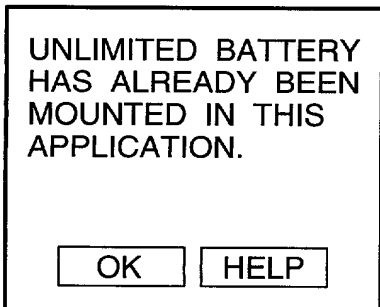
FIG.14

CASE OF UNLIMITED BATTERY CHARGING  
(→CASE OF UNLIMITED BATTERY MOUNTING)

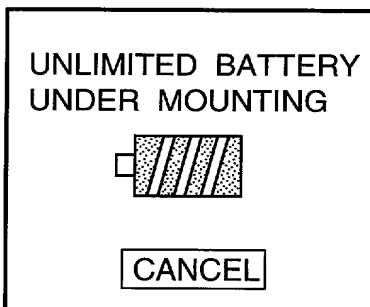


NOTE:B. IS ADDREVIATION  
OF BATTERY

(2)-1  
DISPLAY OF WINDOW  
EXPLAINING PURPORT  
WHICH UNLIMITED  
BATTERY HAS ALREADY  
BEEN MOUNTED



(2)-2  
DISPLAY OF ANIMATION  
WHICH WHITE LINE  
OF BATTERY IS  
ROTATING



(2)-3  
DISPLAY OF  
MOUNTING  
COMPLETION STATE

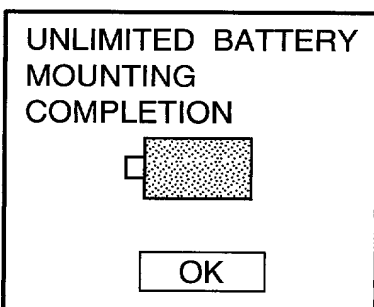
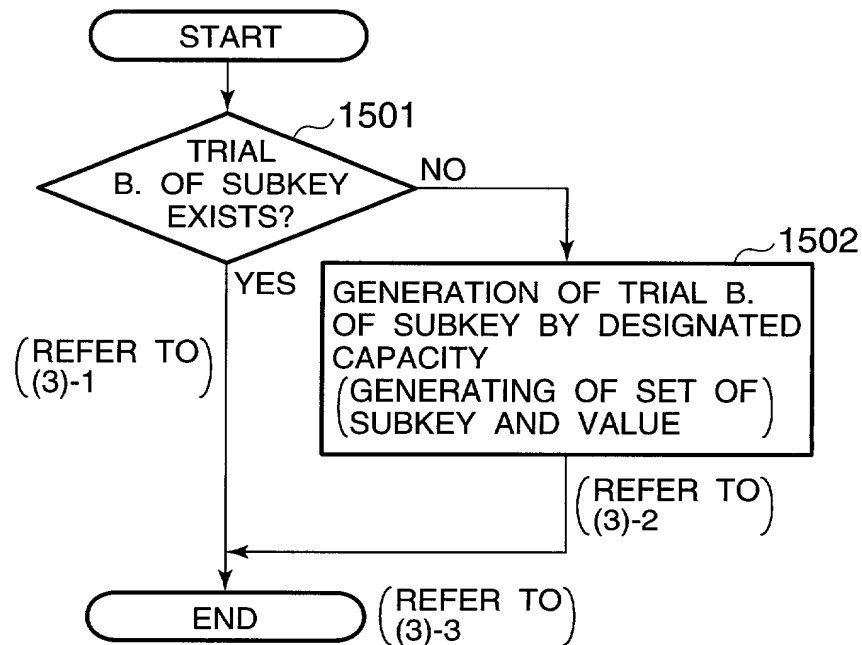


FIG.15

CASE OF TRIAL BATTERY CHARGING  
(→CASE OF TRIAL BATTERY MOUNTING)




(3)-1  
DISPLAY OF WINDOW  
EXPLAINING PURPORT  
WHICH TRIAL BATTERY  
OF SUBKEY HAS  
ALREADY BEEN  
MOUNTED

THIS TRIAL BATTERY  
HAS ALREADY BEEN  
USED IN YOUR  
MACHINE. DOUBLE  
MOUNTING CANNOT  
BE PERFORMED.

OK HELP

(3)-2  
DISPLAY OF ANIMATION  
WHICH WHITE LINE  
OF BATTERY IS  
ROTATING

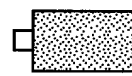
UNDER TRIAL  
BATTERY MOUNTING



CANCEL

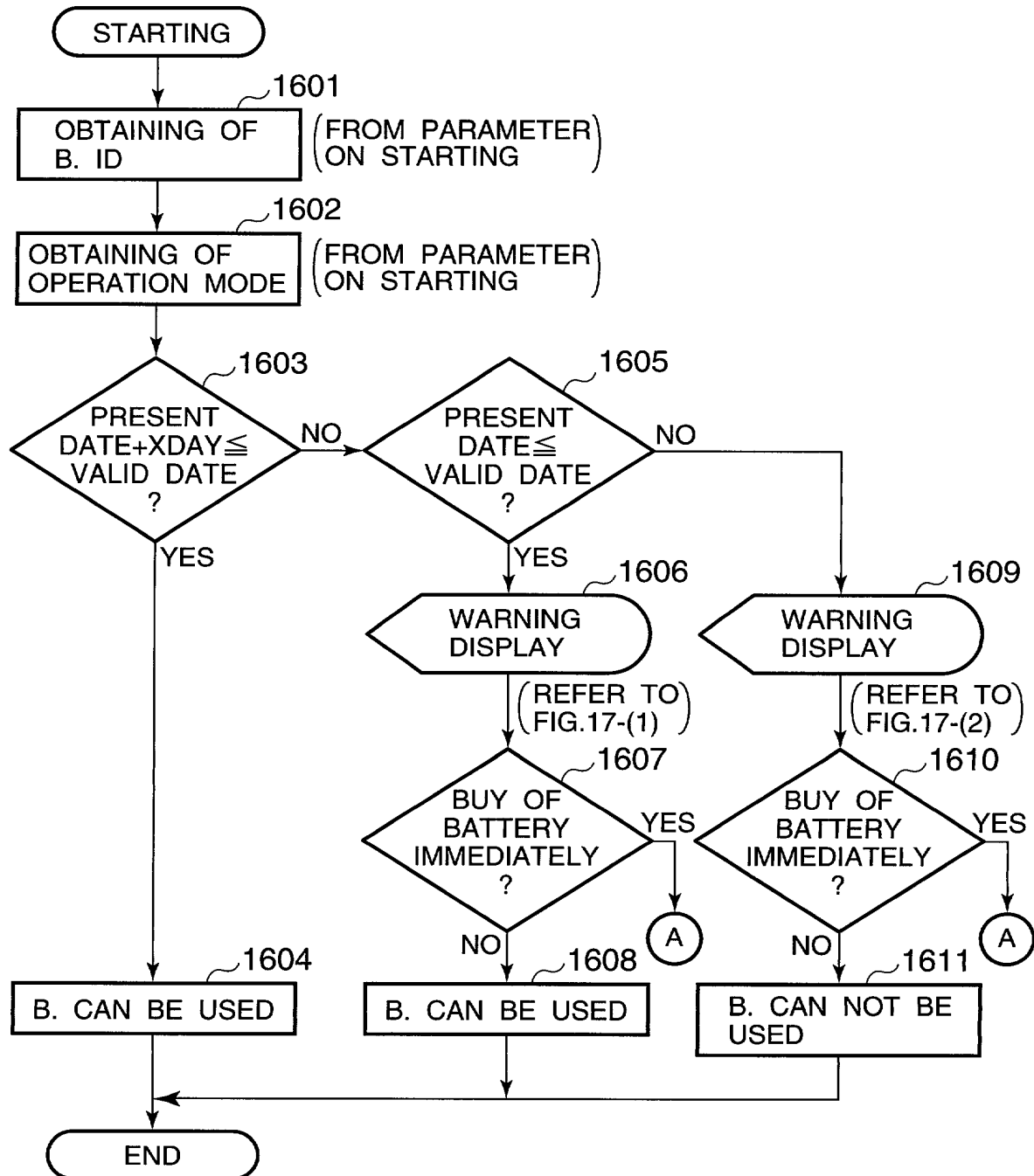
(3)-3  
DISPLAY OF  
MOUNTING  
COMPLETION STATE

TRIAL BATTERY  
MOUNTING  
COMPLETION



OK

FIG.16

ABSOLUTE TERM TYPE



## FIG.17

(1)

DISPLAY OF WARNING MESSAGE  
FROM X DAYS BEFORE OF VALID  
DATE TO THAT DATE

THIS APPLICATION'S TRIAL  
BATTERY CAN BE USED UNTIL  
XX(DATE)/XX(MONTH).  
PLEASE BUY BATTERY FROM  
THE FOLLOWING SITE, IF YOU  
USE THIS APPLICATION  
SUCCEEDINGLY.

<http://www.ucharge.com/battery/>

BUY NOW

BUY LATER

HELP

(2)

DISPLAY OF WARNING MESSAGE  
AFTER PROGRESS OF VALID DATE

THIS APPLICATION'S TRIAL  
BATTERY EXPIRED ON  
XX(DATE)/XX(MONTH).  
PLEASE BUY BATTERY FROM  
THE FOLLOWING SITE, IF YOU  
USE THIS APPLICATION  
SUCCEEDINGLY.

<http://www.ucharge.com/battery/>

BUY NOW

BUY LATER

HELP

FIG.18

## (2) TERM LIMITATION TYPE

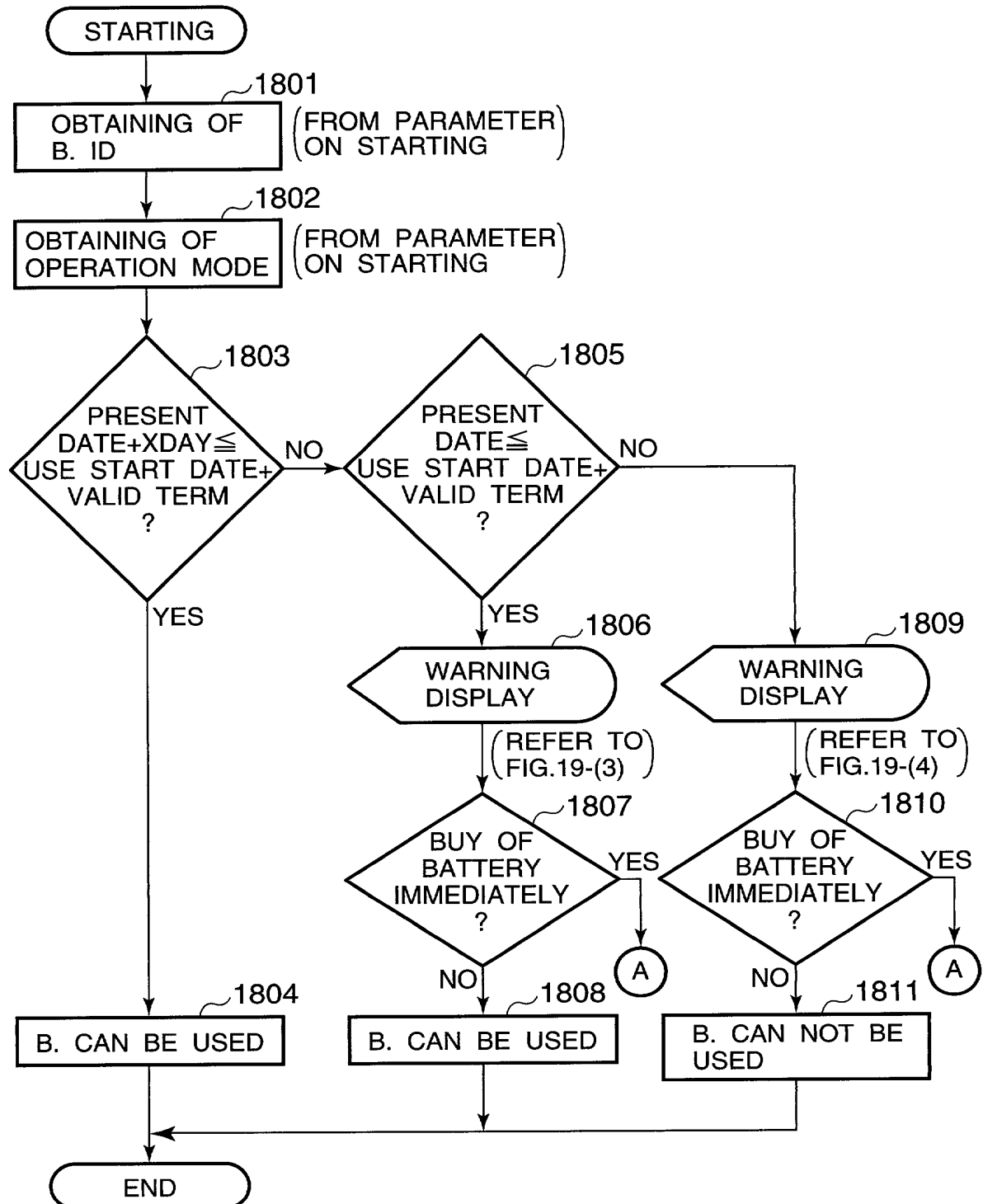


FIG.19

(3)

DISPLAY OF WARNING MESSAGE  
FROM X DAYS BEFORE VALID  
TERM TO LAST DATE OF  
VALID TERM

THIS APPLICATION'S TRIAL  
BATTERY CAN BE USED FOR  
ONLY XX DAYS.  
PLEASE BUY BATTERY FROM  
THE FOLLOWING SITE, IF YOU  
USE THIS APPLICATION  
SUCCEEDINGLY.

<http://www.ucharge.com/battery/>

BUY NOW

BUY LATER

HELP

(4)

DISPLAY OF WARNING MESSAGE  
AFTER PROGRESS OF VALID TERM

THIS APPLICATION'S BATTERY  
EXPIRED VALID TERM.  
PLEASE BUY BATTERY FROM  
THE FOLLOWING SITE, IF YOU  
USE THIS APPLICATION  
SUCCEEDINGLY.

<http://www.ucharge.com/battery/>

BUY NOW

BUY LATER

HELP

FIG.20

UN-USE TERM TRIGGER TYPE: JUDGED BASED ON  
 "LATEST USE DATE" AND  
 "UN-USE TERM" IN BATTERY

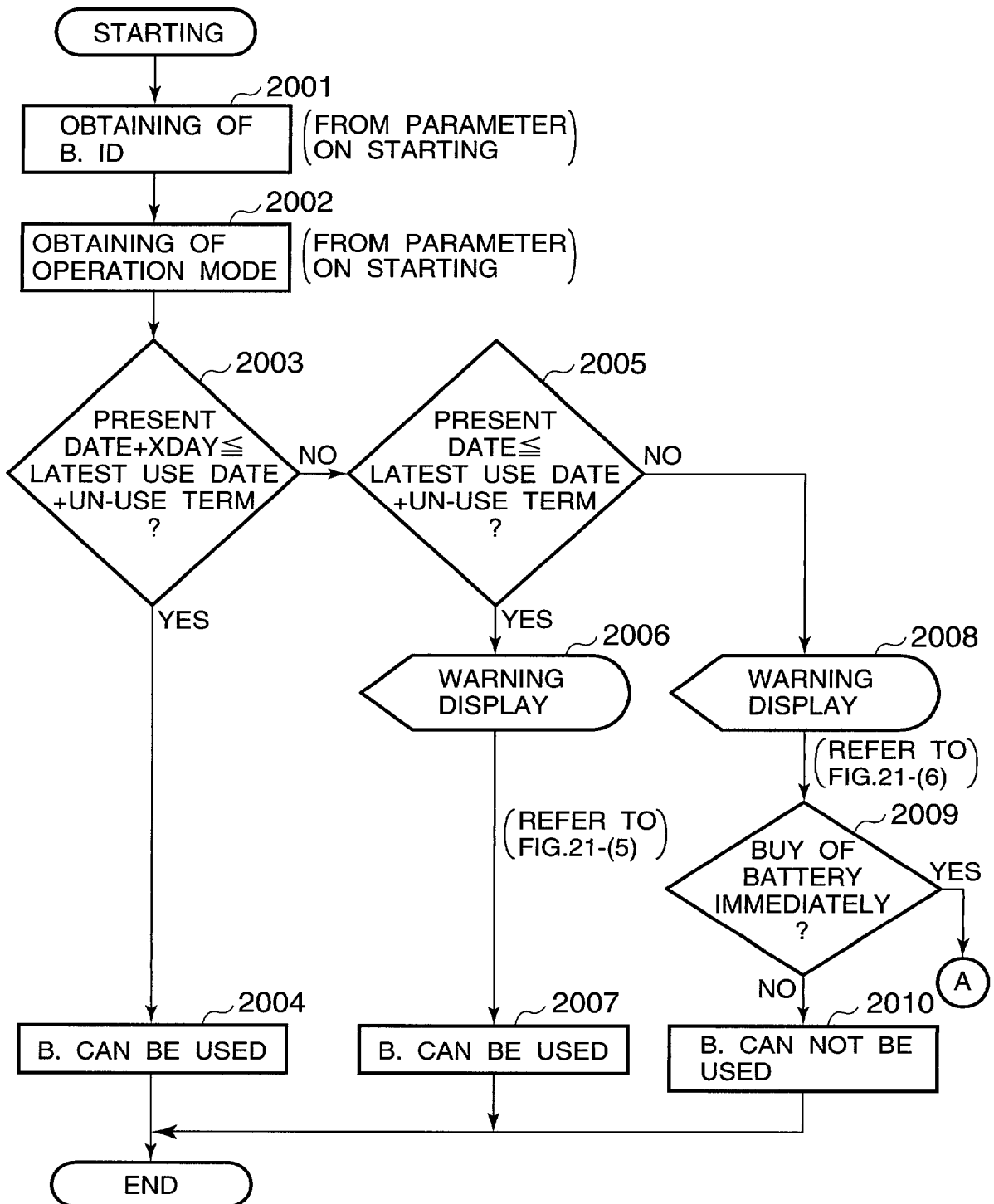


FIG.21

(5)

DISPLAY OF WARNING MESSAGE  
FROM X DAYS BEFORE OF EXPIRY  
DATE OF SET UN-USE TERM  
TO EXPIRY DATE

THIS APPLICATION'S TRIAL  
BATTERY IS NOT USED FOR  
LATEST XX MONTHS.  
WHEN NOT USED FOR XX MORE  
DAYS, THIS TRIAL BATTERY  
BECOMES INVALID.

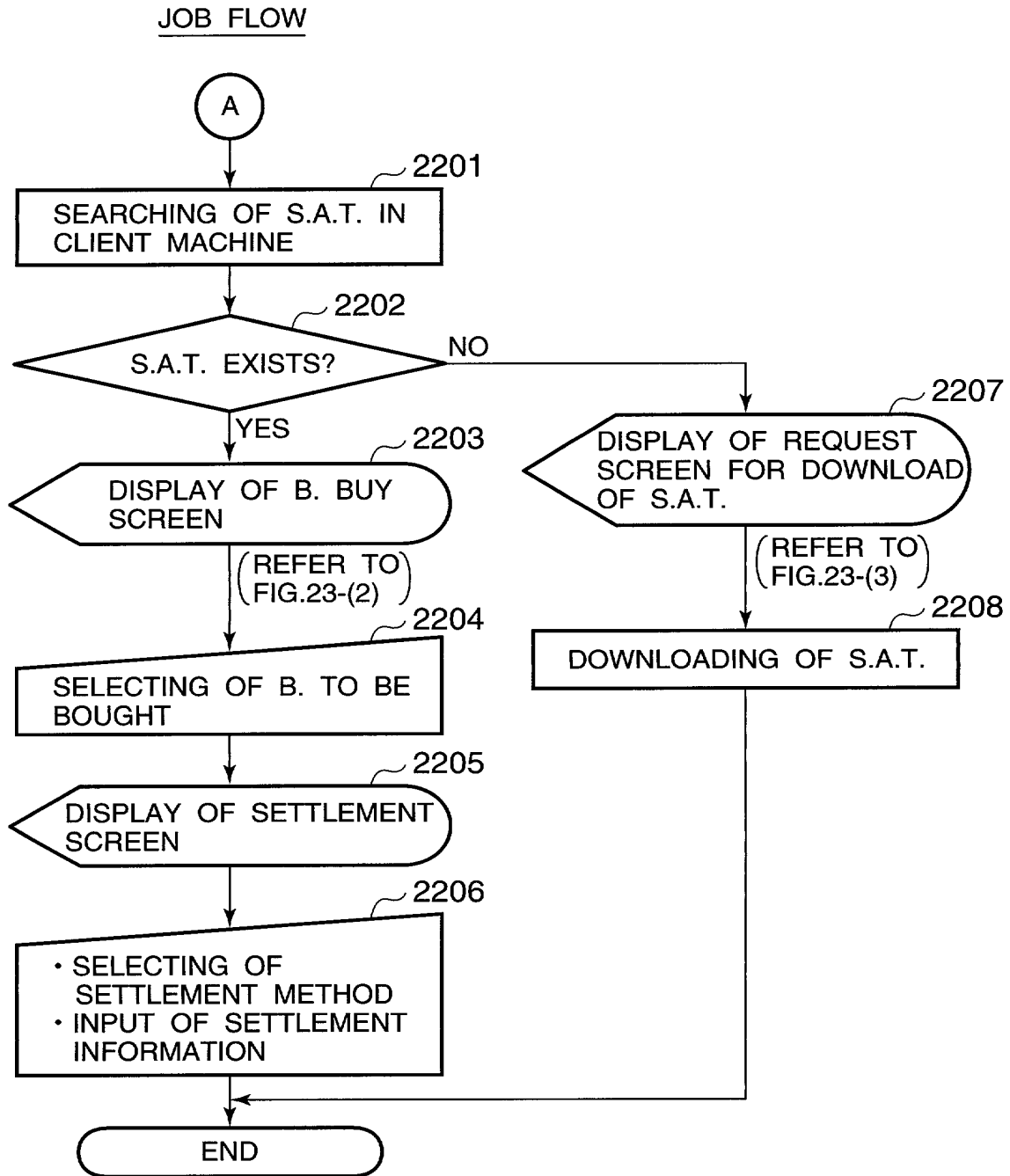
(6)

DISPLAY OF WARNING MESSAGE  
AFTER PROGRESS OF  
UN-USE TERM

THIS APPLICATION'S TRIAL  
BATTERY BECAME INVALID,  
BECAUSE IT WAS NOT USED  
FOR LATEST XX MONTHS.  
IF YOU USE THIS APPLICATION  
SUCCEEDINGLY, PLEASE BUY  
BATTERY FROM THE FOLLOWING  
SITE.

<http://www.ucharge.com/battery/>


FIG.22



NOTE: B. IS ABBREVIATION  
OF BATTERY

## FIG.23

(1)  
NOTICE SCREEN OF  
BATTERY RESIDUAL  
QUANTITY 0

 BATTERY BECAME EMPTY.

☐ BUY NOW  
☒ BUY LATER

(2)  
S.A.T. SCREEN

ABCD SALE

BATTERY  
SALE SITE

DISPLAY AREA OF  
NOTICE FROM SITE

BATTERY LIST	DISPLAY AREA
<input type="checkbox"/> AAA NORMAL	¥ 2,800
<input type="checkbox"/> AAA UNLIMITED	¥ 9,800
<input type="checkbox"/> BBB NORMAL	¥ 980
<input type="checkbox"/> BBB UNLIMITED	¥ 4,980
<input type="checkbox"/> CCC NORMAL	¥ 3,000
<input type="checkbox"/> CCC UNLIMITED	¥ 15,000

CONTENTS OF PRODUCTS:  
<http://www.abcde.co.jp/product/>

CONTACT US:  
[info@abcde.co.jp](mailto:info@abcde.co.jp)

(3)  
REQUEST SCREEN FOR DOWNLOAD  
OF S.A.T.

PLEASE DOWNLOAD S.A.T.  
FOR "ABCDEFG" FROM THE  
FOLLOWING SITE.

<http://www.ucharge.com/sat/>

FIG.24

## JOB FLOW

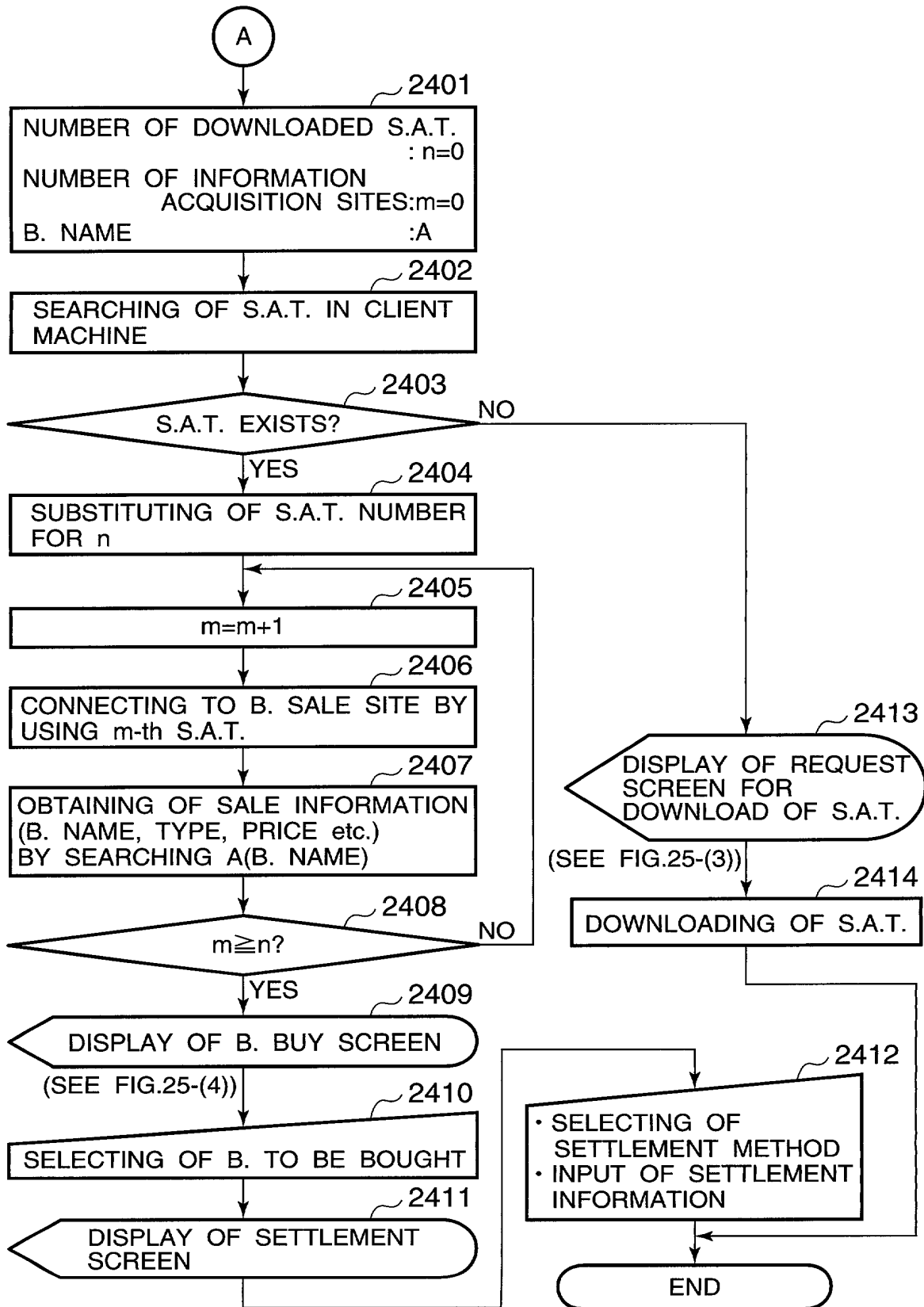




FIG.25

UI(USER INTERFACE)

(4)  
BATTERY BUY SCREEN  
LISTING OF BUY TARGET BATTERY'S  
INFORMATION SEARCHED BY ALL S.A.T.  
IN CLIENT MACHINE

BATTERY NAME:ABCDEFG

SALE SITE	TYPE	PRICE
YYY	NORMAL	¥ 5,000
PPP	NORMAL	¥ 4,800
PPP	UNLIMITED	¥ 9,800

BUY

CANCEL

HELP

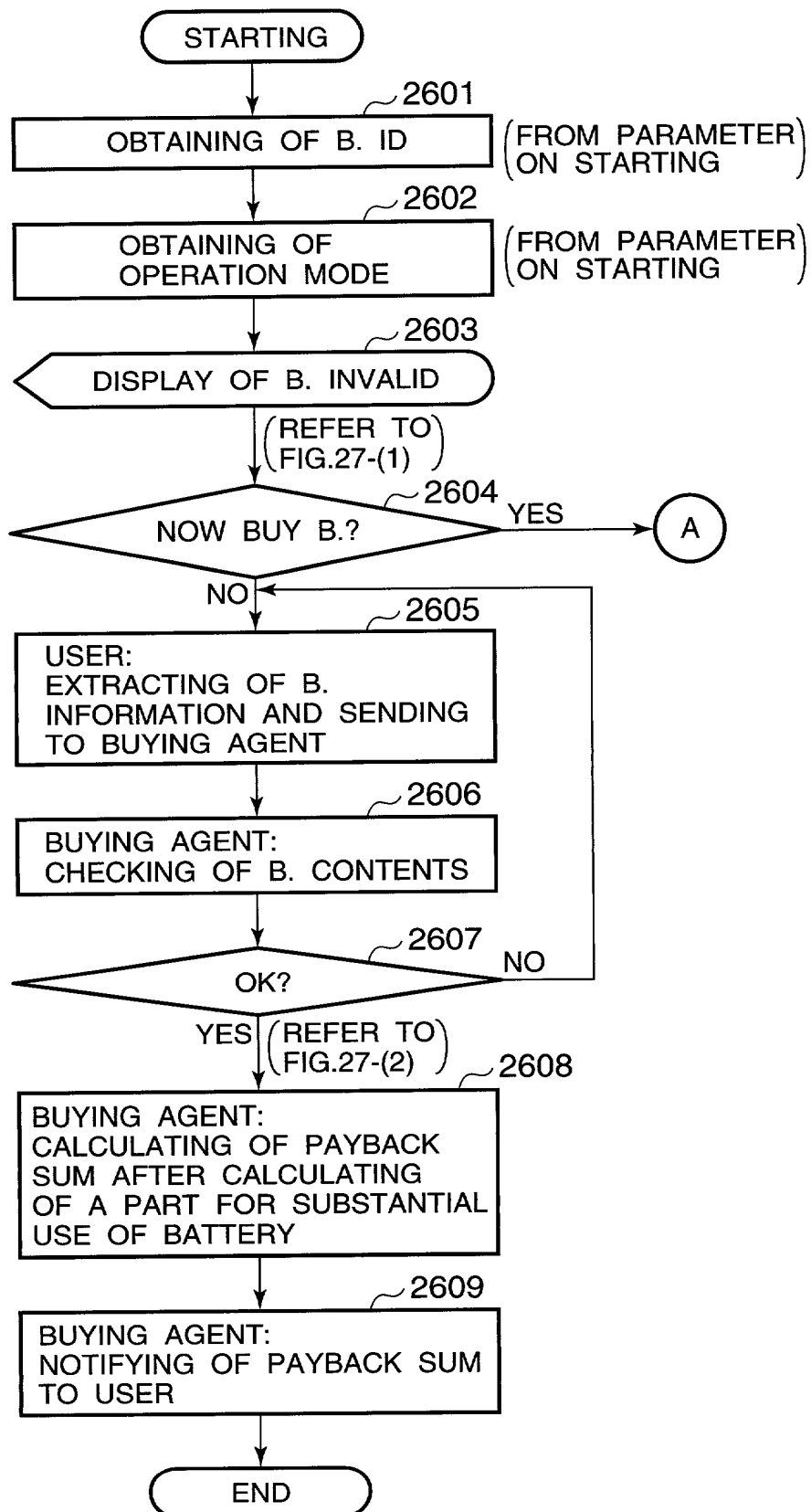
(3)  
S.A.T. DOWNLOAD REQUEST SCREEN

PLEASE DOWNLOAD S.A.T. FOR  
"ABCDEFG" FROM THE FOLLOWING  
SITE.

<http://www.ucharge.com/sat/>

CANCEL

HELP



## FIG.27

(1)

DISPLAY OF MESSAGE FOR  
NOTIFYING NORMAL BATTERY  
INVALID

THIS APPLICATION'S NORMAL  
BATTERY BECAME INVALID ON  
XX(DATE)/XX(MONTH).  
PLEASE BUY BATTERY, IF YOU  
USE THIS APPLICATION  
SUCCEEDINGLY.

BUY NOW

BUY LATER

HELP

(2)

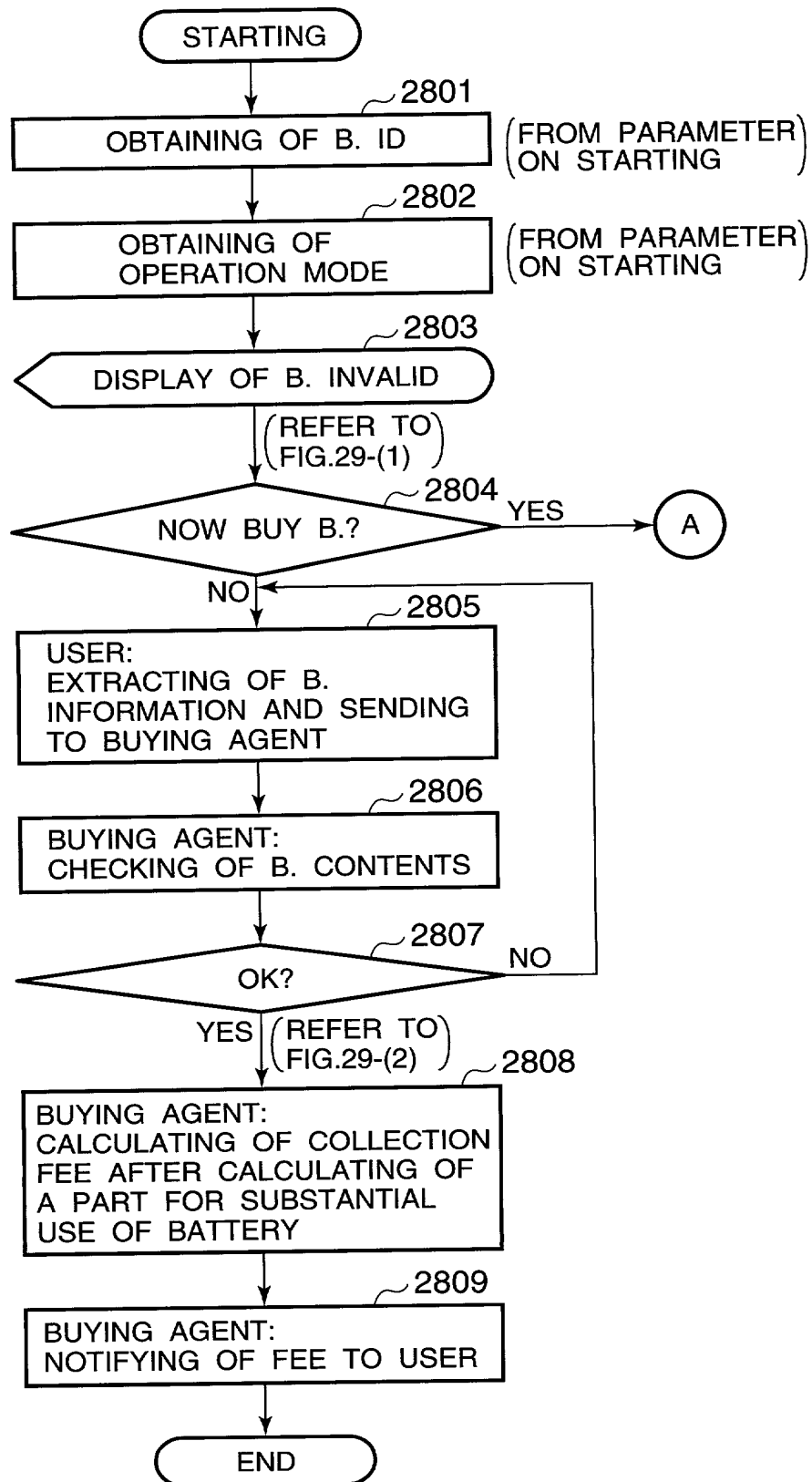
- IN CASE THAT ABNORMALITY IS  
DISCOVERED IN CONTENTS BY  
CHECKING OF B. INFORMATION,  
WARNING MESSAGE IS DISPLAYED  
TO BUYING AGENT'S MACHINE
- ERROR CODE IS DISPLAYED BY  
CLICKING OF DETAILS

DATA CANNOT BE READ FROM  
THIS BATTERY INFORMATION.  
AGAIN, PLEASE GET BATTERY  
INFORMATION FROM USER.

CLOSE

DETAILS

## (2) DEFERRED PAY TYPE



## FIG.29

(1)

DISPLAY OF MESSAGE FOR  
NOTIFYING NORMAL BATTERY  
INVALID

THIS APPLICATION'S NORMAL  
BATTERY BECAME INVALID ON  
XX(DATE)/XX(MONTH).  
PLEASE BUY BATTERY, IF YOU  
USE THIS APPLICATION  
SUCCEEDINGLY.

BUY NOW

BUY LATER

HELP

(2)

- IN CASE THAT ABNORMALITY IS  
DISCOVERED IN CONTENTS BY  
CHECKING OF B. INFORMATION,  
WARNING MESSAGE IS DISPLAYED  
TO BUYING AGENT'S MACHINE
- ERROR CODE IS DISPLAYED BY  
CLICKING OF DETAILS

DATA CANNOT BE READ FROM  
THIS BATTERY INFORMATION.  
AGAIN, PLEASE GET BATTERY  
INFORMATION FROM USER.

CLOSE

DETAILS